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Solution



Verified by Toppr

Total number of valid votes

$$= \frac{(100 - 8)}{100} \times 6,00,000 = 552000$$

Votes in favour of the candidate

$$= \frac{65}{100} \times 552000 = 358800$$

Hence, the number of valid votes polled in favour of the candidate is 358800.

Was this answer helpful?

71

Class 4 - 10



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Calculation show that an angle is $37 \frac{1}{2}^\circ$

Hence angle is $75/2$

measurement shows that its 35

$$\text{Error} = 35 - (75/2) = -5/2$$

$$\begin{aligned}\text{Error percentage} &= 100 * (-5/2)/(75/2) \\ &= -20/3 \% \\ &= -6.67 \% \end{aligned}$$

There is - 6.67 % Error in measurement

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The mass of an object is $225 \pm 0.005\text{g}$.
Calculate the percentage ..

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$$= \frac{24x}{25}$$

Change in income = $x - \frac{24x}{25} = \frac{x}{25}$.

$$\% \text{ change} = \left(\frac{x}{25} \right) \cdot 100$$

$$= \frac{100 \cdot x}{25}$$

$$= 4x\%$$

4% of net decrease.

Was this answer helpful?

34

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$$\text{Increased income} = x + \frac{20x}{100} = \frac{100x + 20x}{100}$$

$$= \frac{120x}{100}$$

$$= \frac{6x}{5}$$

$$\text{Now decreased income} = \frac{6x}{5} - \left(\frac{20}{100}\right)\left(\frac{6x}{5}\right)$$

$$= \frac{6x}{5} \left[1 - \frac{1}{5}\right]$$

$$= \frac{24x}{25}$$

$$\text{Change in income} = x - \frac{24x}{25} = \frac{x}{25}$$

$$\% \text{ change} = \left(\frac{x}{25}\right) \cdot 100$$

$$= \frac{100 \cdot x}{25}$$



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